The following questions have been posed with respect to RFP No. PT-2671-591479 and JPL has provided the answers as Addendum 2 to this RFP. You will note that the time for response has been extended to November 22, 2004.

1. Are CAD models available for use in the proposal process? Will CAD models be available to the successful bidder after contract award?

A CAD model of the volume described in DWG 10229971A, in STEP AP203 format, is available as part of Addendum 2. Files of the other OSTM Payload and Spacecraft elements will be made available after Contract award.

2. Is there a Statement-of-Work (SOW) associated with this RFP?

The SOW is also known as the "Specimen Contract" and can be found online at

http://dev26/rfp/_PT-2671-591479/

3. Is there a Requirements and Delivery Schedule associated with this RFP?

Delivery schedule is noted in the Specimen Contract

4. How many paper copies of the Cost Volume are required?

Four (4).

5. We need a copy of JPL #D-21959 M&P Control Plan. Is this available?

Attached as part of Addendum 2

6. Please provide a NASTRAN model of the ESS. Is this available?

Attached as part of Addendum 2

7. Please clarify a discrepancy on the aperture diameter and focal length shown between the specification and the ICD.

Aperture diameter of 625 mm is consistent between JPL D-29632 paragraph 3.2.1.2.1 and DWG 10229971A SH1 zone H11.

Focal length of 312.5 mm is consistent between JPL D-29632 paragraph 3.2.1.2.1 and DWG 10229971A SH2 zone E8.

8. Specification Paragraph 3.2.1.2.2: Please clarify what "correlation length of 3.0 cm" means. Is grid spacing for surface map of 0.25 cm correct? Should maximum deviation be +/- .375 mm?

RMS error within any 3 x 3 cm area on the reflector surface shall be less than 0.125 mm from the ideal surface. The maximum deviation , in Reflector Z axis, of any single point shall be +/- 0.25 mm regardless of any RMS errors associated with that point. Knowledge of the as-built surface must be to a resolution of 0.25 cm or better in Reflector X,Y.

9. Specification Paragraphs 3.2.1.6.1 and 3.2.1.6.2: Are the connector and cables part of the contractor's mass budget? Who supplies this hardware?

These items are JPL supplied and are not part of the Contractor's mass allocation. The Contractor's design must be able to accommodate these items.

10. Specification Paragraph 3.2.2.1: Subcontractor is to provide thermal models, but JPL is to provide temperature mapping cases. This is confusing. Can you provide additional details and clarification regarding the Contractor's responsibility for and the scope of the thermal analysis.

JPL will integrate Contactor's thermal model of the AMR-RSA into the OSTM Spacecraft thermal model. JPL will provide temperature maps of the AMR-RSA based on the results of running the Spacecraft model. This approach was selected to avoid requiring the Contractor to model the complex interactions between the various OSTM payload elements and the Spacecraft as well as the Spacecraft orbital parameters.

11. Specification Paragraph 3.2.3.5: Sync survey shall be to 5-2000 Hz or 5-140 Hz. Please clarify which parameters are to be used.

Sine survey, 5-2000 Hz at .25g, is for assessing changes to structure due to testing before and after each vibration test (sine and random). Sine inputs in the 5-140 Hz range, per D-29632 Section 3.3.2.4, are test levels which the structure must survive.

12. Please provide the MAC equation for components having >80Hz frequencies.

The MAC is not applicable to components with fundamental frequencies >80 Hz. For these items, random vibration and sine vibration are the primary load generators.

13. What is the notching criteria for 80-140 Hz for Sine and 80-2000 Hz for random vibration?

Notching based on the force limiting criteria of NASA-HDBK-7004B is acceptable and encouraged. Note that force gauges must be installed between the test article and shaker

fixture and total reaction force measured in order to implement force limiting. In addition, if the test article has a primary resonance below 80 Hz, test article loads, based on force gauge measurements, may be limited to 1.2 x the test article's limit load value.

14. Is JPL providing a dummy mass for ESS in vibe test?

Yes, per Specimen Contract paragraph 3.5

15. You may investigate several technologies that appear to meet the JPL's technical requirements and, based on the outcome of this investigation, you may provide JPL with more that one option. Each option would, of course, have its particular benefits and disadvantages. Therefore, in order to provide JPL with an optimal proposal, a one-week extension to November 22 is being provided.